MEMORANDUM

Publication No. 79-e00

WA-21-0010

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FOR ACTION
PERMIT
OTHER

то:	Nancy Musgrove						
FROM:	Laurer	nce As	shley/		- Additional and the second se		TOTAL STATE AND A SAME
SUBJECT:	CLAMS	FROM	GRAYS	HARBOR	COUNTY	OCEAN	<u>BE</u> ACHES

DATE:	August	. 6. I	979				



Seven clam samples from various ocean beach locations in Grays Harbor County were delivered May 31, 1979 to the laboratory. The request for analysis was for the content of six heavy metals in the clams.

The clam samples (both body parts and liquid portions) were digested in a dilute HNO3/HCl solution as received.

The body parts were portions of the "neck" and "foot" of each clam. The liquid portion was the liquid poured from the container of each sample. The digestion solutions were filtered to volumetric flasks. The solutions were analyzed on a Perkin-Elmer Model 403 Atomic Absorption Spectrophotometer.

LA:kw

Steve Robb John Bernhardt



Source Ocean Beaches

REDMOND LABORATORY

DATA SUMMARY

Steve Robb N. Musgrove

Copies To:

(Metals)

Collected By N. Musgrove

Date Collected 5/29/79

Grays Harbor County Log Number: CI TOTAL 0.5 0.5 Cu (Soluble) In TOTAL 15, 21. Zn (Soluble) Fe (Soluble) Ni TOTAL 20.1 60.1 Ni (Soluble) CT TOTAL KO, 1 KO, 1 Cr (Soluble) DA TOTAL 40.1 40.1

specified are "Acid Soluble". "<" is "Less Than" and ">" is "Greater Than".

Summary By Alsher

takes & M9/9r of materials as received

Date 8/3/79

3d (Soluble)

Pb (Soluble)

POTAL 0.3

40.1

State of Washington Department of Ecology

REDMOND LABORATORY

DATA SUMMARY

(Metals)

Copies To: Steve Robb

N. Musgrove
Collected By N. Musgrove

Date Collected 5/29/79

Source Ocean Beaches

Grays Harbor Comty

Log Number: estate) 3:0 15. 15. 7.6 10. 8.0 12 25. 18 Fe Fe (Soluble) CO.1 10TAL < 0.1 < 0.1 20.1 Lo.1 Lo.1 Lo.1 <0.1 40.1 Ni (Soluble) 40.1 40.1 40.1 20.1 20.1 CO.1 <0.1 40.1 Cr (Soluble) 20.1 20.1 401 20.1 40.1 20.1 Od (Soluble) 196 ugh, <0.1 <0.1 <0.1 4001 0.3 0.3 0.3 0.6 0.2 Pb (Solubie) of Material as receives .

Note: Mote: Metal concentrations not specified are "Acid Soluble". "<" is "Less Than" and ">" is "Greater Than".

Summary By a ashley

Date 8/3/79